

LEGEND	
	LIGHTING FIXTURE
	WALLWASHER LIGHT FIXTURE
	FLUORESCENT LIGHTING FIXTURE
	FLUORESCENT STRIP LIGHTING FIXTURE
	EXIT SIGN FIXTURE — ARROWS AS INDICATED
	FIXTURES ON EMERGENCY CIRCUIT OR FURNISHED W/ BATTERY PACK
	REMOTE EMERGENCY LIGHT W/BATTERY PACK
	S.P.S.T. TOGGLE SWITCH
	THREE-WAY TOGGLE SWITCH / FOUR-WAY TOGGLE SWITCH
	SWITCH WITH PILOT LIGHT
	DIMMER SWITCH
	DUPLEX RECEPTACLE OUTLET
	DUPLEX RECEPTACLE OUTLET — MTD. ABOVE COUNTER
	QUADRAPLEX RECEPTACLE OUTLET
	SINGLE RECEPTACLE OUTLET MTD. AS NOTED
	FLOOR OUTLET WITH RECEPTACLE
	DEDICATED DUPLEX OUTLET
	SPECIAL PURPOSE OUTLET — AS NOTED
	JUNCTION BOX — CEILING MOUNTED
	JUNCTION BOX — WALL MOUNTED
	FLOOR JUNCTION BOX
	FURNITURE SYSTEM POWER POLE
	FURNITURE SYSTEM WALL POWER FEED
	FURNITURE SYSTEM WALL TELE/DATA
	DISCONNECT SWITCH — 30A/3/NF U.O.N.
	FUSED DISCONNECT SWITCH
	ENCLOSED CIRCUIT BREAKER
	277/480 VOLT PANELBOARD
	120/208 VOLT PANELBOARD
	MOTOR
	CONDUIT CONCEALED IN WALL OR OVERHEAD
	CONDUIT CONCEALED IN FLOOR OR UNDERGROUND
	CONDUIT RUN EXPOSED
	CONDUIT WHIP UNDER RAISED FLOOR
	TICK MARKS INDICATE #12 CONDUCTORS OR AS NOTED
	GROUND CONNECTION AS NOTED
	CONDUIT STUB-UP LOCATION
	CONDUIT STUB-DOWN LOCATION
	SPECIAL PURPOSE CONDUIT SEE PLANS FOR NOTES
	MOTOR STARTER — MANUAL
	MOTOR STARTER — MAGNETIC
	AUTOMATIC SHUTOFF RECEPTACLE
	CEILING 180 OR WALL MOUNTED 90 OCCUPANCY SENSOR
	TRANSFORMER — AS NOTED
	WALL COMMUNICATION OUTLET. PROVIDE MIN. 1" CONDUIT WITH PULL WIRES TO ABOVE CEILING. (TELE./DATA/CABLE TV)
	FLOOR TELE./DATA BOX
	FIREMANS PHONE JACK
	CARD READER
	PLUGMOLD
	MAGNETIC DOOR HOLDER (REF. HARDWARE SPEC'S)
	FIRE ALARM SMOKE DETECTOR — CEILING/WALL MOUNTED
	FIRE ALARM HEAT DETECTOR
	FIRE ALARM SIGNAL LIGHT, MTD. 82"A.F.F.
	FIRE ALARM SPRINKLER FLOW SWITCH
	FIRE ALARM SPRINKLER VALVE TAMPER SWITCH
	FIRE ALARM SMOKE DETECTOR — DUCT MOUNTED
	FIRE ALARM SPEAKER, C.L.G. MTD.
	FIRE ALARM COMBINATION AUDIO/VISUAL DEVICE WALL MTD. 82"A.F.F.
	"F" INDICATES HORN. "S" INDICATES SPEAKER
	MANUAL STATION 48"A.F.F.
	"R" INDICATES RELAY. "C" INDICATES CONTROL
	"DO NOT USE ELEVATOR" WARNING LIGHT (F.B. F.A. CONTRACTOR)
	MOTORIZED DAMPER
	SMOKE DAMPER
	ABANDONED
	ABOVE FINISHED FLOOR OR GRADE
	CEILING
	EXISTING
	ELECTRIC DRINKING FOUNTAIN
	GROUND FAULT INTERRUPTING
	ISOLATED GROUND
	LIGHTING
	NON-FUSED
	ON CENTER
	RELOCATED
	RECEPTACLE
	SPARE
	UNLESS OTHERWISE NOTED
	INDICATES WEATHERPROOF DEVICE OR PLATE
	FIRE ALARM CONTROL PANEL
	FIRE ALARM ANNUNCIATOR PANEL
	SIGNALING LINE CIRCUIT
	NOTIFICATION APPLIANCE CIRCUIT
	FIRE ALARM KNOX BOX
	CEILING MOUNTED SPEAKER
	CEILING MOUNTED DAYLIGHT SENSOR

NOTE: NOT ALL SYMBOLS ARE USED.

GENERAL NOTES

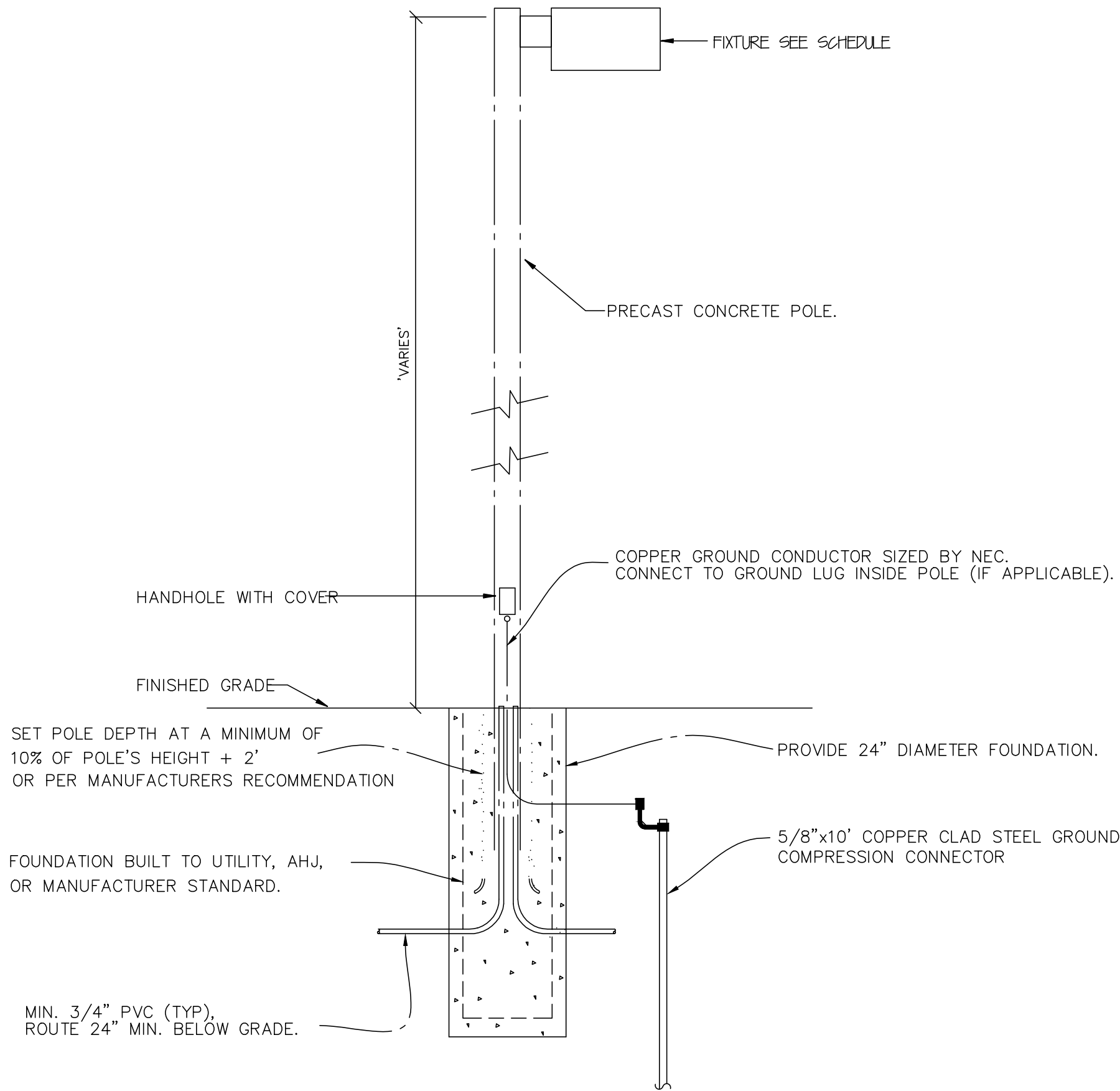
1. CONTRACTOR SHALL VERIFY EXISTING WORK SITE CONDITIONS DURING THE BIDDING PERIOD TO OBTAIN THE SCOPE OF ELECTRICAL WORK INVOLVED AS A RESULT OF ARCHITECTURAL MODIFICATIONS TO THE EXISTING STRUCTURE. THE SCOPE OF WORK SHALL INCLUDE MATERIALS AND OUTLETS CONSISTING OF FIXTURES, DEVICES, EQUIPMENT OR APPARATUS, WHICH MUST BE ROUTED, RELOCATED, OR REMOVED EITHER TEMPORARILY OR PERMANENTLY, OR WHICH MUST BE PROVIDED SO THAT THE INDICATED REMODELING MAY BE ACCOMPLISHED.
2. RE-ESTABLISH SERVICE TO ALL OUTLETS THAT MAY BE INTERRUPTED BECAUSE OF REMODELING WORK.
3. CONTRACTOR MAY COMBINE WIRES IN ONE CONDUIT FOR CONVENIENCE OF INSTALLATION, PROVIDED ALL THE REQUIREMENTS OF THE N.E.C. ARE OBSERVED.
4. ALL ELECTRICAL EQUIPMENT IS SHOWN DIAGRAMMATICALLY. EXACT LOCATIONS ARE TO BE DETERMINED IN THE FIELD AVOIDING INTERFERENCES.
5. THE INSTALLATION SHALL COMPLY WITH SPECIFICATIONS AND ALL REQUIREMENTS OF THE LATEST EDITION OF THE N.E.C., OSHA, STATE AND LOCAL CODES.
- FLORIDA BUILDING CODE 2017, 6TH EDITION
 - FLORIDA FIRE PREVENTION CODE 2017, 6TH EDITION
 - NFPA 70 NATIONAL ELECTRIC CODE 2014
 - NFPA 72 NATIONAL FIRE ALARM CODE 2013
 - NFPA 101 LIFE SAFETY CODE 2015
6. ALL WIRE SHALL BE COPPER. ALL WIRE, CONDUIT AND BREAKERS SHALL BE #12 COPPER WIRE (THHN OR THWN), 1/2" CONDUIT AND 20 AMP SINGLE POLE BREAKERS UNLESS OTHERWISE NOTED. (TYPICAL)
7. WHEN BRANCH CIRCUIT LENGTH EXCEEDS 75 FEET FROM PANEL, WIRING SHALL BE INCREASED TO #10 AWG WITH #10 AWG GROUND. WHEN BRANCH CIRCUIT LENGTH EXCEEDS 150 FEET FROM PANEL, BRANCH WIRING SHALL BE INCREASED TO #8 AWG WITH #8 AWG GROUND.
8. PROVIDE GROUND CONDUCTOR IN ALL RACEWAYS.
9. CONTRACTOR SHALL UPDATE PANEL DIRECTORY AS PER WIRING IN FIELD.
10. CONTRACTOR SHALL USE EXISTING SPARE BREAKERS/BLANKS IN PANEL(S) AND CIRCUITS MADE AVAILABLE THROUGH DEMOLITION PRIOR TO ADDING NEW PANEL(S). VERIFY IN FIELD.
11. THE INSTALLATION OF WIRING, RACEWAY AND DEVICES FOR THE FIRE ALARM SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CITY CODES, NFPA CODES AND UNIFORM RULE 4A-48, RULES AND REGULATIONS OF THE STATE FIRE MARSHAL'S OFFICE F.S. 633.01 AND 633.701.
12. ALL CIRCUIT BREAKERS FOR MECHANICAL EQUIPMENT SHALL BE HACR RATED.
13. ALL NEW BREAKERS ADDED TO EXISTING PANELS SHALL HAVE SAME A.I.C. RATING AS EXISTING BREAKERS UNLESS NOTED OTHERWISE.
14. VOLTAGE DROP HAS BEEN CALCULATED IN COMPLIANCE WITH FBC ENERGY CONSERVATION C405.6.3 AND NEC 210.19(A)(1)FPN#4. VOLTAGE DROP IN COMBINED CONDUCTORS TO BE MAXIMUM OF 5% AT DESIGN LOAD.
15. LIGHT FIXTURE SUPPORTED BY CEILING GRID SHALL BE SUPPORTED AS PER FIELD TECHNICAL INFORMATION #40. LIGHT FIXTURE WEIGHING LESS THAN 10 LBS SHALL HAVE (1) 12 GA HANGWIRE CONNECTED FROM THE FIXTURE TO THE STRUCTURE ABOVE. LIGHT FIXTURES WEIGHING MORE THAN 10 LBS SHALL HAVE (2) 12 GA WIRES ATTACHED AT OPPOSING CORNERS OF THE LIGHT FIXTURE TO THE STRUCTURE ABOVE.
16. MINIMUM EMERGENCY ILLUMINATION SHALL BE PROVIDED FOR A PERIOD OF 1½ HOURS IN THE EVENT OF FAILURE OF NORMAL LIGHTING, WITHIN THE WORK AREAS. EMERGENCY LIGHTING FACILITIES SHALL BE ARRANGED TO PROVIDE INITIAL ILLUMINATION THAT IS AT LEAST AN AVERAGE OF 1 FOOTCANDLE MEASURED ALONG THE PATH OF EGRESS AT FLOOR LEVEL. FBC2017 1008, EXISTING FBC2017 805.7.
17. BREAKERS FOR ALL MULTIPLE CIRCUIT HOMERUNS WHICH SHARE A COMMON NEUTRAL SHALL BE CONNECTED WITH BREAKER TIES.
18. TO THE BEST OF THE ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH SECTION AND CHAPTER 633, FLORIDA STATUTES. FBC 110.8.4.4 2017.

ABBREVIATIONS	
NOTE: NOT ALL ABBREVIATIONS MAY BE USED.	
(A)	EXISTING TO BE ABANDONED
(D)	EXISTING TO BE DEMOLISHED
(E)	EXISTING TO REMAIN
(F)	FUTURE
(R)	EXISTING TO BE RELOCATED
A	AMPERE
AC	ALTERNATING CURRENT OR AIR CONDITIONER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AMPS INTERRUPTING CAPACITY
ANNC	ANNUNCIATOR
AWG	AMERICAN WIRE GAUGE
BPS	BOLTED PRESSURE SWITCH
C	CONDUIT
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CKT	CIRCUIT
CM	CONSTRUCTION MANAGER
DC	DIRECT CURRENT
DP	DISTRIBUTION PANELBOARD
DTT	DOUBLE TWIN TUBE
EB	ELECTRONIC BALLAST
EC	ELECTRICAL CONTRACTOR
EM	EMERGENCY
EMT	ELECTRICAL METAL TUBING
EW	ELECTRIC WATER COOLER
FA	FIRE ALARM
FLA	FULL LOAD AMPS
G	GROUND
GC	GENERAL TRADES CONTRACTOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GEN	GENERATOR
HOA	HAND-OFF-AUTOMATIC
HP	HORSEPOWER
HPC	HIGH PRESSURE CONTACT SWITCH
HZ	HERTZ
IG	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
INC	INCANDESCENT
KVA	KILOVOLT AMPERE
KW	KILOWATT
LTG	LIGHTING OR LIGHT
LRA	LOCKED ROTOR AMPS

ABBREVIATIONS	
NOTE: NOT ALL ABBREVIATIONS MAY BE USED.	
LED	LIGHT EMITTING DIODE
MCA	MINIMUM CIRCUIT AMPACITY
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MDP	MAIN DISTRIBUTION PANEL
MLO	MAIN LUGS ONLY
MOCP	MAXIMUM OVERCURRENT PROTECTION
MSB	MAIN SWITCHBOARD
MH	METAL HALIDE OR MOUNTING HEIGHT
MTS	MANUAL TRANSFER SWITCH
NAC	NOTIFICATION APPLIANCE CIRCUIT
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NF	NON-FUSED
OCC	OCCUPANCY
PA	PUBLIC ADDRESS
PB	PULL BOX OR PUSH BUTTON
PVC	POLYVINYL CHLORIDE (PLASTIC PIPE)
PWR	POWER
RECP	RECEPTACLE
STP	SHIELDED, TWISTED PAIR
TC	TIME CLOCK
TRT	TRIPLE TUBE
Typ	TYPICAL
UNO	UNLESS NOTED OTHERWISE
UTP	UNSHIELDED, TWISTED PAIR
V	VOLT
W	WATT
WAP	WIRELESS ACCESS POINT
WH	WATTHOUR
WP	WEATHERPROOF, NEMA 3R UNO
XFMR	TRANSFORMER
Z	IMPEDANCE
Ø	PHASE

ILLUMINACE CALCULATION SUMMARY				
Location	Avg.	Max (Fc)	Min (Fc)	Max/Min
SITE 1	1.66	4.30	0.40	10.75
SITE 1 SIDEWALK	1.19	2.80	0.20	14.00
SITE 2	1.84	4.20	0.40	10.50
SITE 3	1.65	3.90	0.60	6.50
SITE 4	1.51	4.00	0.40	10.00
SITE 5	1.78	3.80	0.40	9.50
SITE 6	2.18	4.00	0.40	10.00
SITE 7	2.07	4.00	0.30	13.33
SITE 8	1.69	3.40	0.40	8.50

- NOTES:**
1. ILLUMINANCE VALUES WERE CALCULATED USING 10ft SPACING.
 2. ILLUMINANCE VALUES WERE CALCULATED WITH AN ASSUMED LLF OF 0.85



GENERAL POLE DETAIL (TYP.)

SCALE: N.T.S.

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SHEET TITLE	NOTES, SYMBOLS AND SCHEDULES
PROJECT TITLE	CHATEAU WOOD 3640 VILLAGE DRIVE DELRAY BEACH, FL 33445

[illegible]

JOB #	010920
DRAWN BY: AC	CHECKED BY: AC
DATE:	11/13/2020

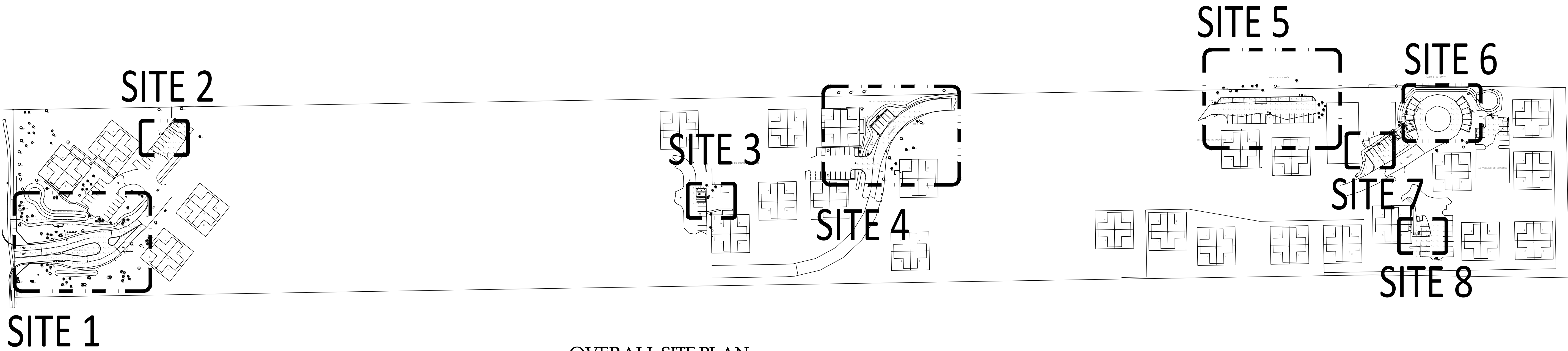
SHEET #

E0

1. CONTRACTOR SHALL PROVIDE AN ALTERNATE PRICE FOR THE INSTALLATION OF PATHWAY LIGHTS ALONG THE SIDEWALK. COORDINATE WITH OWNER AND/OR HOA FOR SPECIFIC REQUIREMENTS.

1. REFER TO CIVIL ENGINEERING DRAWINGS FOR AN OVERALL SITE LEGEND.
2. REFER TO CIVIL ENGINEERING DRAWINGS TO REVIEW THE CONSTRUCTION SCOPE.
3. WHERE LUMINAIRES WITH THE SUFFIX "N" ARE SHOWN, NO EXISTING LUMINAIRES ARE SHOWN WITHIN THE VICINITIES.

E = DENOTES AN EXISTING POLE LOCATION.
R = DENOTES A RELOCATED POLE LOCATION. EXTEND/MODIFY EXISTING CONDUCTORS AS REQUIRED AND RECONNECT.
N = DENOTES A PROPOSED POLE LOCATION.



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SITE LIGHTING - PHOTOMETRIC ANALYSIS

PROJECT TITLE

CHATEAU WOOD

3640 VILLAGE DRIVE DELRAY BEACH, FL 33445

SSUE

REV.	DATE	REMARK
1	11/13/20	RESUBMISSION

DB # 010920

RAWNBY: AC
CHECKED BY: AC

DATE: 11/13/2020

SHEET #

E1

E3

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Test Information

Test Method: LM-79-08
Report Number: P200056
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24147)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAP-AF-02-LED-U-T4W-7030
Description: GALLEON PEDESTRIAN LUMINAIRE
(2) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDs EACH AND TYPE IV WIDE OPTICS
Light Source:
Ballast/Driver: ELECTRONIC DRIVER

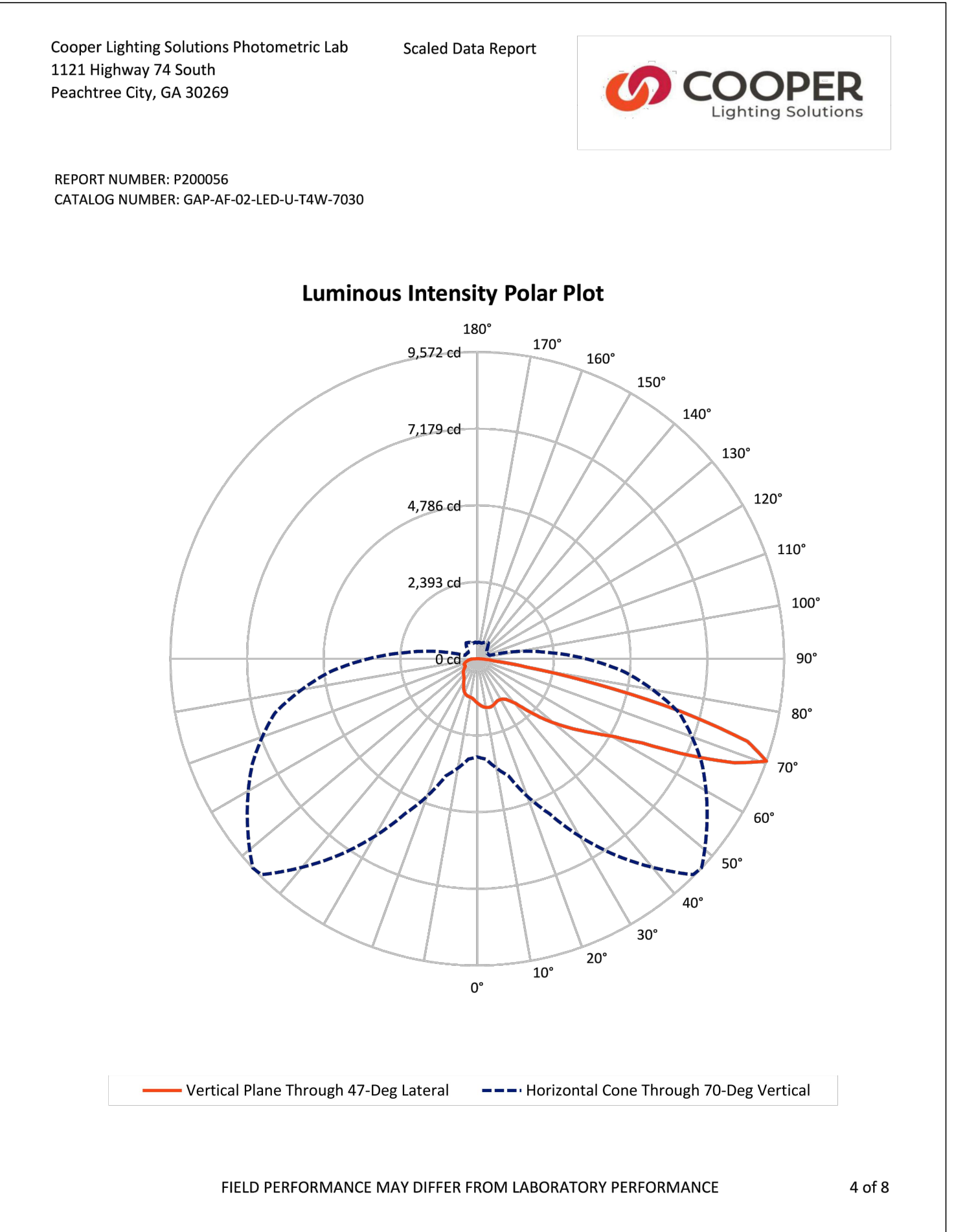
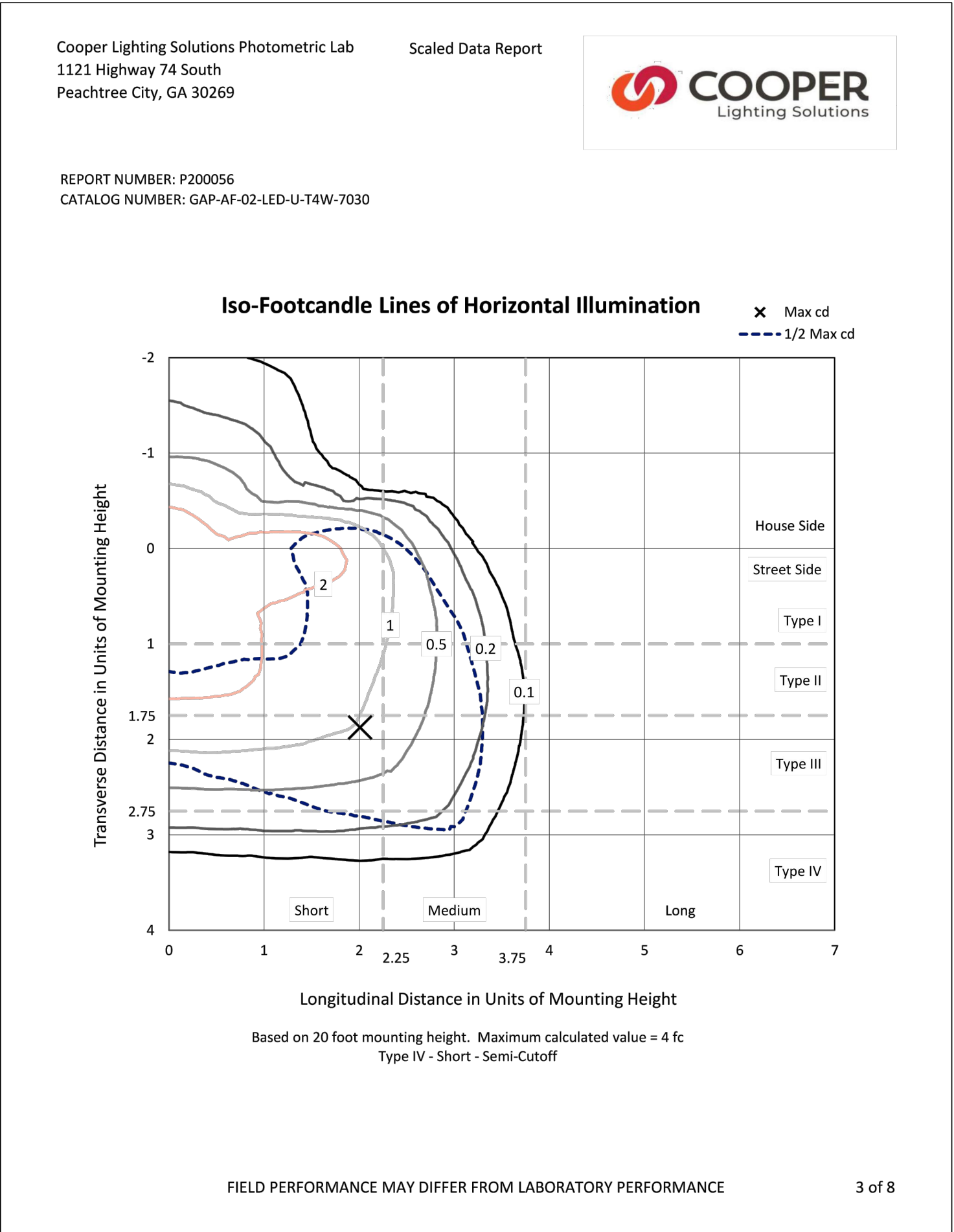
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11931.1 lumens
Efficacy: N/A
Efficacy: 105.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THD): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



FIELD PERFORMANCE MAY DIFFER FROM LABORATORY PERFORMANCE

2 of 8



EXISTING POLES ON SITE
SCALE: NTS

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SHEET TITLE
SITE LIGHTING LUMINAIRE CUTSHEETS

PROJECT TITLE
CHATEAU WOOD
3640 VILLAGE DRIVE DELRAY BEACH, FL 33445

ISSUE

REV.	DATE	REMARK
Δ	11/13/20	RESUBMISSION

JOB #

010920

DRAWN BY: AC

CHECKED BY: AC

DATE:

11/13/2020

SHEET #

E4



Evolve®
LED Post Top
Town & Country (EPTT)



GE current
a Daintree company

Ordering Number Logic
Town & Country Post Top (EPTT)



EPTT		01	0	P	
FAMILY	GENERATION	VOLTAGE	LUMEN OUTPUT	REFRACTOR	LED COLOR
E = Evolve	01 = 1st Gen	0 = 120-277V	A = Symmetric B = Asymmetric C = Symmetric HO D = Asymmetric HO	A = Acrylic B = Polycarbonate N = None S = Select N + Haze for DA approved units	27 = 2700K 30 = 3000K 40 = 4000K 50 = 5000K 60 = 6000K 70 = 7000K 80 = 8000K 90 = 9000K 100 = 10000K

Legend

Options

LUMEN OUTPUT	REFRACTOR	LED COLOR	IES FILE NAME
2700	A	2700K	EPTT01_05A01_120-277VIES
3000	A	3000K	EPTT01_05A02_120-277VIES
4000	A	4000K	EPTT01_05A03_120-277VIES
5000	A	5000K	EPTT01_05A04_120-277VIES
6000	A	6000K	EPTT01_05A05_120-277VIES
7000	A	7000K	EPTT01_05A06_120-277VIES
8000	A	8000K	EPTT01_05A07_120-277VIES
9000	A	9000K	EPTT01_05A08_120-277VIES
10000	A	10000K	EPTT01_05A09_120-277VIES
2700	B	2700K	EPTT01_05B01_120-277VIES
3000	B	3000K	EPTT01_05B02_120-277VIES
4000	B	4000K	EPTT01_05B03_120-277VIES
5000	B	5000K	EPTT01_05B04_120-277VIES
6000	B	6000K	EPTT01_05B05_120-277VIES
7000	B	7000K	EPTT01_05B06_120-277VIES
8000	B	8000K	EPTT01_05B07_120-277VIES
9000	B	9000K	EPTT01_05B08_120-277VIES
10000	B	10000K	EPTT01_05B09_120-277VIES
2700	C	2700K	EPTT01_05C01_120-277VIES
3000	C	3000K	EPTT01_05C02_120-277VIES
4000	C	4000K	EPTT01_05C03_120-277VIES
5000	C	5000K	EPTT01_05C04_120-277VIES
6000	C	6000K	EPTT01_05C05_120-277VIES
7000	C	7000K	EPTT01_05C06_120-277VIES
8000	C	8000K	EPTT01_05C07_120-277VIES
9000	C	9000K	EPTT01_05C08_120-277VIES
10000	C	10000K	EPTT01_05C09_120-277VIES
2700	D	2700K	EPTT01_05D01_120-277VIES
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5000	D	5000K	EPTT01_05D04_120-277VIES
6000	D	6000K	EPTT01_05D05_120-277VIES
7000	D	7000K	EPTT01_05D06_120-277VIES
8000	D	8000K	EPTT01_05D07_120-277VIES
9000	D	9000K	EPTT01_05D08_120-277VIES
10000	D	10000K	EPTT01_05D09_120-277VIES

Not DLC Listed

Photometrics:
Town & Country Post Top (EPTT)

EPTT
120-277V
(05AA50)
5,730 Lumens
EPTT01_05AA50_120-277VIES

EPTT
120-277V
(05BA50)
5,200 Lumens
EPTT01_05BA50_120-277VIES

EPTT
120-277V
(05AN50)
6,300 Lumens
EPTT01_05AN50_120-277VIES

EPTT
120-277V
(05BN50)
5,730 Lumens
EPTT01_05BN50_120-277VIES

EXISTING POLE - BIRTHMARK
SCALE: NTS

